Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/17/2018 09:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	09/25/2018 11:17 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123470	-2	0.89	123498	0.88
Blue	F	SSC	125000	125746	0	2.03	126485	1.97
Blue	E	FITC	16596	16226	-3	2.93	351	21.45
Blue	D	PE	29392	28606	-3	2.02	622	16.04
Blue	B	PerCP-Cy5-5	38531	38669	0	4.21	1179	21.83
Blue	A	PE-Cy7	26351	26510	0	7.27	650	43.29
Red	C	APC	43035	42414	-2	2.62	1597	13.42
Red	A	APC-Cy7	25611	25371	-1	2.84	875	12.64
Violet	B	V450	8803	8524	-4	4.38	473	13.70
Violet	A	V500	32560	31236	-5	4.11	727	10.73

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20486	2.85	605	8	N/A	N/A	Pass
Blue	F	SSC	56946	1.38	571	16	N/A	N/A	Pass
Blue	E	FITC	61	68.71	556	6	0.0166	123	Pass
Blue	D	PE	130	52.83	555	6	0.1290	231	Pass
Blue	B	PerCP-Cy5-5	225	52.04	659	8	0.0080	51	Pass
Blue	A	PE-Cy7	133	101.62	713	8	0.0096	17	Pass
Red	C	APC	374	27.65	600	3	0.0192	66	Pass
Red	A	APC-Cy7	215	27.33	573	2	0.0049	764	Pass
Violet	B	V450	74	61.28	484	9	0.0503	2114	Pass
Violet	A	V500	110	32.06	493	9	0.0210	423	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.95	-32.57	0.99
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.50
Red	19.20	13.60 - 20.40	N/A	N/A	29.89	30.28	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 13212

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments